

WHAT IS CLAIMED IS

1. An electronic mail transfer device for relaying an electronic mail transmitted from a transmission terminal through a communication line and transferring the electronic mail thus relayed to a reception terminal,
5 comprising:

means for converting to another electronic mail address the electronic mail address of the transmission source of the electronic mail which is transmitted from said transmission terminal through said communication line and then transferring the electronic mail to said
10 reception terminal; and

means for converting the address of a transmission destination of a reply electronic mail to the address of the transmission source before the address conversion and then transferring the reply electronic mail to said transmission terminal when the reply electronic mail
15 to the electronic mail is transmitted from said reception terminal.

2. The electronic mail transfer device as claimed in claim 1, further comprising:

means for storing the electronic mail address of the transmission source of the electronic mail transmitted from said transmission
20 terminal and information appending to the electronic mail in a memory while the electronic mail address and the information are associated with each other; and

means for referring to said memory and extracting the electronic mail address of the transmission source of the electronic mail
25 transmitted from said transmission terminal on the basis of the information

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appending to a reply electronic mail transmitted from said reception terminal.

3. The electronic mail transfer device as claimed in claim 1, wherein the another electronic mail address contains the address allocated to said electronic mail transfer device.

4. The electronic mail transfer device as claimed in claim 2 wherein the information appending to the electronic mail is a header of the electronic mail.

5. The electronic mail transfer device as claimed in claim 2, further comprising means for canceling the information appending to the electronic mail from said memory after a predetermined time elapses from the time when said transmission terminal transmits the electronic mail, or when the number of reply electronic mails exceeds a predetermined number, or on the basis of an instruction from said transmission terminal.

6. An electronic mail transfer system comprising:

said electronic mail transfer device as claimed in claim 1;

a transmission terminal for transmitting an electronic mail to said electronic mail transfer device; and

a reception terminal for receiving an electronic mail transmitted from said electronic mail transfer device.

7. A transmission terminal for transmitting an electronic mail through a communication line to said electronic mail transfer device as claimed in claim 1.

8. A reception terminal for receiving an electronic mail transmitted from said electronic mail transfer device as claimed in claim 1 through a

communication line.

9. A telephone number transfer device for relaying the notification of the telephone number allocated to the telephone at a call originating side and then transferring the notification to the telephone of a call receiving side,

5 comprising:

means for converting the telephone number allocated to the telephone at the call originating side to another telephone number and then transferring the notification of the another telephone number to the telephone at the call receiving side; and

10 means for transferring a reply call to the call originating side when the reply call is transmitted from the call receiving side to the another telephone number.

10. The telephone number transfer device as claimed in claim 9, further comprising:

15 means for storing the telephone number allocated to the telephone at the call originating side and the another telephone number after the conversion into a memory while the telephone number and the another telephone number after the conversion are associated with each other; and

20 means for referring said memory and extracting the telephone number allocated to the telephone at the call originating side on the basis of the another telephone number used by the telephone of the call receiving side.

11. A telephone number transfer system comprising:

said telephone number transfer device as claimed in claim 9;

25 a telephone or exchange at a call originating side which

originates a telephone number to said telephone number transfer device; and
a telephone at a call receiving side which receives a telephone
number transferred from said telephone number transfer device.

12. An exchange for informing a telephone number to said telephone number
5 transfer device as claimed in claim 9.

13. A telephone for informing a telephone number to said telephone number
transfer device as claimed in claim 9.

14. A telephone for receiving a telephone number transferred from said
telephone number transfer device as claimed in claim 9.

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